SPE RESPONSE FOR CERTIFICATE OF CORRECTION

Paper No.: _____

DATE : May 28, 2008

TO SPE OF : ART UNIT ~~2616~~ 2465

SUBJECT : Request for Certificate of Correction for Appl. No 10/813766 patent no7292573

Please respond to this request for a certificate of correction within 7 days.

Please review the requested changes/corrections as shown in the **COCIN** document(s) in the IFW application image. No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Please complete the response (see below) and forward the completed response to scanning using document code **COCX**

Magdalene Talley

Certificates of Correction Branch

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Thank You For Your Assistance

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriate box.

- ☑ **Approved** — **All** changes apply.
- ☐ **Approved in Part** — Specify below which changes **do not** apply.
- ☐ **Denied** — State the reasons for denial below.

Comments: _____

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SPE **Art Unit**

PTO/SB/44 (04-05)
Approved for use through 04/30/2007. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,292,573

APPLICATION NO. : 10/813,766

ISSUE DATE : Nov. 06, 2007

INVENTOR(S) : Bruce Edward LaVigne, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in drawing, under "ports 1004" delete "#10" and insert - - #7 - -, therefor.

On sheet 15 of 15, Fig. 10, under "ports 1004" delete "#10" and insert - - #7 - -, therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

US007292573B2

(12) **United States Patent**
LaVigne et al.

(10) **Patent No.: US 7,292,573 B2**
(45) **Date of Patent: Nov. 6, 2007**

(54) **METHODS AND APPARATUS FOR SELECTION OF MIRRORED TRAFFIC**

(75) Inventors: **Bruce Edward LaVigne**, Roseville, CA (US); **Paul T. Congdon**, Granite Bay, CA (US); **Mark Gooch**, Roseville, CA (US)

(73) Assignee: **Hewlett-Packard Development Company, L.P.**, Houston, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 828 days.

(21) Appl. No.: **10/813,766**

(22) Filed: **Mar. 31, 2004**

(65) **Prior Publication Data**

US 2005/0220092 A1 Oct. 6, 2005

(51) **Int. Cl.**
H04L 12/28 (2006.01)

(52) **U.S. Cl.** **370/390**; 370/468; 370/394; 370/401; 370/432

(58) **Field of Classification Search** ..... None
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,802,320 A 9/1998 Baehr et al.
6,041,042 A 3/2000 Bussierre
6,618,818 B1 9/2003 Wahl et al.
6,707,817 B1 * 3/2004 Kadambi et al. 370/390
7,031,304 B1 * 4/2006 Arberg et al. 370/360
2004/0213232 A1 * 10/2004 Regan 370/390

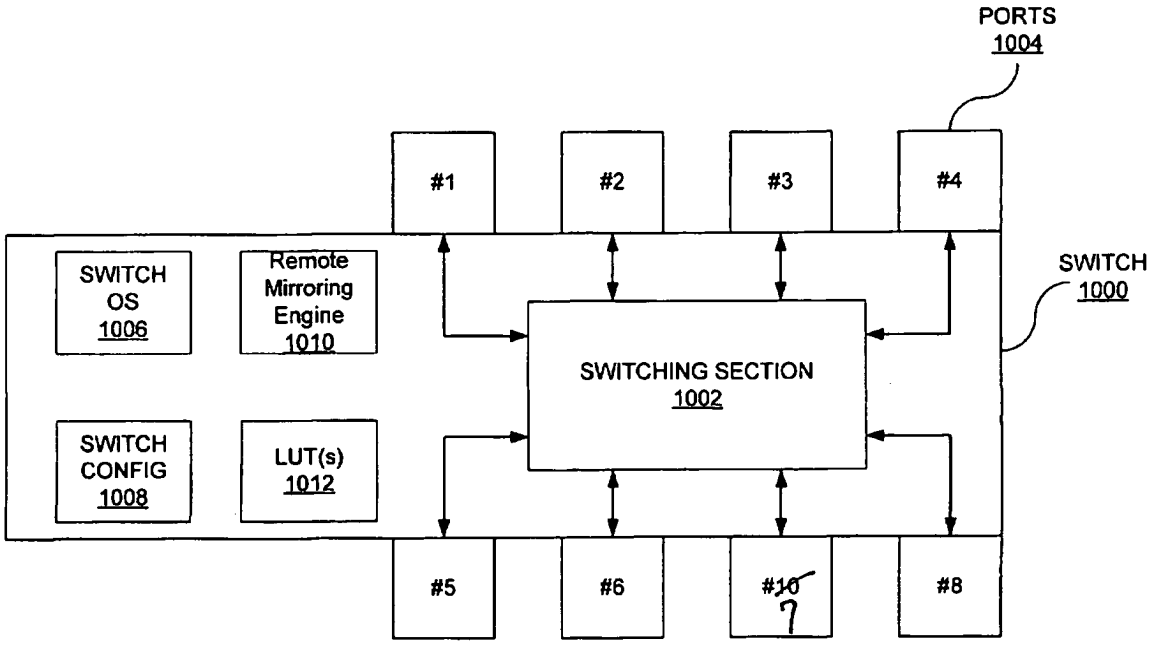
* cited by examiner

Primary Examiner—Duc Ho

(57) **ABSTRACT**

One embodiment disclosed relates to a method for mirroring of select network traffic. A data packet is received by a network device. A determination is made as to whether a designated aspect of the packet matches a flagged entry in a look-up table on the network device. If a match is found, then copy of the packet is sent to an associated mirror destination. Another embodiment disclosed relates to a networking apparatus. The apparatus includes at least an operating system, a look-up table, and a mirroring engine. The operating system includes routines utilized to control the apparatus, and the look-up table includes selection information for mirror sources. The mirroring engine forwards copies of selected packets to a corresponding mirror destination. Another embodiment disclosed relates to a method of selecting packets to mirror that includes checking state information relating to the network traffic against dynamic mirroring criteria.

35 Claims, 15 Drawing Sheets



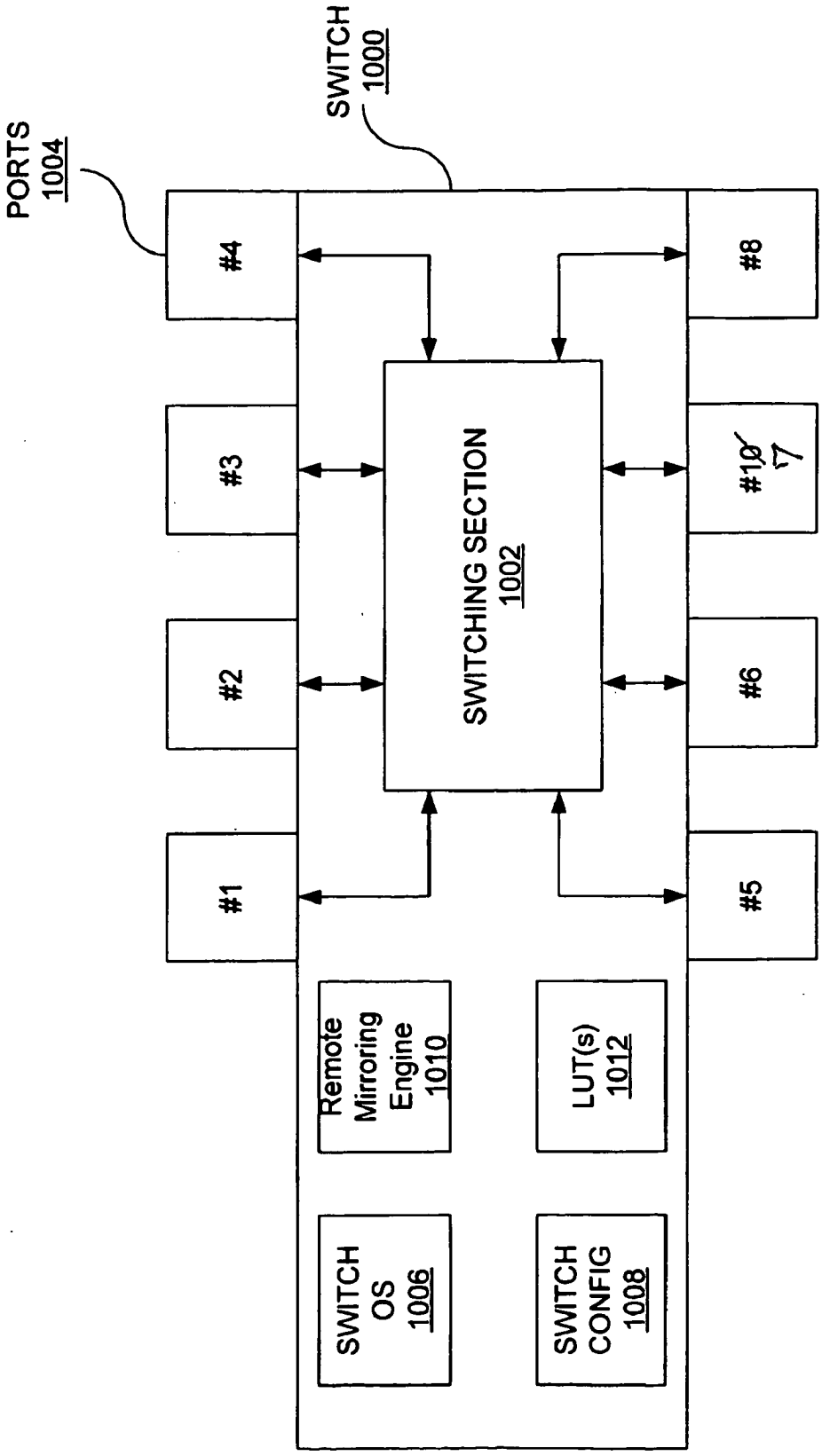

SWITCH
1000
PORTS
1004
#4
#8
#3
#10
#2
#6
#1
#5
SWITCHING SECTION
1002
Remote
Mirroring
Engine
1010
LUT(s)
1012
SWITCH
OS
1006
SWITCH
CONFIG
1008

FIG. 10